

रजिस्ट्री सं० डी एल—33001/94



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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 22nd January 1994

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234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 22 जनवरी 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय दलबन्धना में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जिन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांजी इस्टेट,  
तीसरा तल, लोडर परल (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा  
दीप एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
61, बालाशाह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिकाय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अप्रे-  
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अवाधगी या तो नन्द की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश अथवा  
डाक आवेद या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा चेक द्वारा की जा सकती है ।

## CORRIGENDUM

In the Gazette of India Part III Section 2 dated the 26th  
June 1993 Page 481, Col. 2; under heading Complete Spec-  
ification accepted, for Patent No. 172353 read the applicants  
name as RHONE—POULENC CHIMIE instead of RHONE-  
POULENC CHIMIE DE BASE.

APPLICATION FOR PATENT FILED AT THE HEAD  
OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates  
claimed under section 135, of the Patents Act, 1970.

6th December 1993

756/Cal/93. Carnaudmetalbox SA. Easy Open End. (Con-  
ventional No. 9225509.O; filed 5-12-1992; Great  
Britain).

757/Cal/93. AMC International Alfa Metalcraft Corpora-  
tion AG. Cooking Vessel.

758/Cal/93. Decaux Jean-Claude. Improvements to the  
processes and Devices for protecting a given  
volume, preferably arranged inside a room, from  
outside noises.

759/Cal/93. Krone Aktiengesellschaft. Case for passive  
optical components.

760/Cal/93. E. I. Du Pont De Nemours and Company.  
Electroless plated aramid surfaces and a process  
for making such surfaces.

761/Cal/93. Hoechst Aktiengesellschaft. 2, 3, 4-Trifluoro-  
N- ethylaniline and processes for its preparation.

7th December 1993

762/Cal/93. Discovery Communications, Inc. Reprogram-  
mable terminal for suggesting programs offered  
on a television program delivery system.

763/Cal/93. Discovery Communications, Inc. Network  
Controller for cable television delivery systems.

764/Cal/93. Discovery Communications, Inc. An operations  
centre for a television program packaging and  
delivery system.

765/Cal/93. Discovery Communications, Inc. Set top ter-  
minal for Television delivery systems.

766/Cal/93. Discovery Communications, Inc. Advanced set  
top terminal for cable television delivery systems.

767/Cal/93. Discovery communications, Inc. Digital cable  
headend for cable television delivery system.

768/Cal/93. Philips electronics N.V. Arrangement of re-  
cording a video signal and a corresponding audio  
signal in slant tracks on a longitudinal magne-  
tic record carrier, and record carrier obtained by  
means of the arrangement.

769/Cal/93. Hitachi construction machinery Co. Ltd. inertial body drive mechanism.

770/Cal/93. Kholdingovaya promyshlennno-finansovaya Kompaniya "Staraya Moskva". Apparatus for signalling the critical level of a liquid.

771/Cal/93. Ljuberetskoe Nauchno-proizvodstvennoe Obiedinenie "sojuz". A Method for fire extinguishing and an apparatus thereof.

8th December 1993

772/Cal/93. Emitec Gesellschaft fur emissionstechnologie MBH. Metal honeycomb body with an electrically conductive structure.

773/Cal/93. Indian Jute Industries. An apparatus for the measurement of moisture in jute.

774/Cal/93. Sunds defibrator Industries Aktiebolag. Refining Segment.

9th December 1993

775/Cal/93. Spherilene S.r.l. Process for the preparation of (co)polymers of ethylene having a broad molecular weight distribution.

776/Cal/93. Amorphous Technologies International, INC. Electrodeposition of nickel-tungsten amorphous and microcrystalline coatings.

777/Cal/93. Irving Chung-chi Chen. Insertless perforated mill roll.

778/Cal/93. United Technologies corporation. A regenerable supported amine-polyol sorbent.

10th December 1993

779/Cal/93. American Cyanamid Company. N-arylhydrazine derivatives as insecticidal and acaricidal agents.

780/Cal/93. Instant Foundations (Aust.) PTY. Ltd. Ground Anchor. (convention No. PL6342 dated 14-12-92 in Australia.)

781/Cal/93. Thames water utilities limited. Removal of impurities.

(convention No. 9225793.0 dated 10-12-92 in U.K., convention No. 9312820.5 dated 22-6-93, in U.K., convention No. 9313053.2 dated 24-6-93 in U.K.)

782/Cal/93. Grain Systems, INC. Poultry Feeder.

13th December 1993

783/Cal/93. Klinger AG. Shut-off valve and sealing ring.

784/Cal/93. Phillips petroleum company. Process for separating etherification reaction effluent compounds.

785/Cal/93. Stone & Webster Engineering Corporation. Integrated mtbe process.

786/Cal/93. Holter regelarmaturen GMBH & Co. KG. Pump safety Slide valve.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD MADRAS-600 002

22nd November 1993

833/Mas/93. K. Muthusamy. Energy Conservation System.

834/Mas/93. Nedumparampill Chacko Benjamin. Latex guard.

835/Mas/93. Pilkington Glass Limited. Flat glass furnaces. (November 27, 1992; United Kingdom).

836/Mas/93. Pilkington Glass Limited. Glass furnaces. (November 27, 1992; United Kingdom).

23rd November 1993

837/Mas/93. Guivas Viswanath Shet. A method of avoiding vehicle accidents due to negligent driving & over-taking by placing a peculiar type of photograph of near the side of the driver.

838/Mas/93. The Manitowoc Company, Inc. A balanced load sensor assembly for use on a crane. (Divisional to Patent Application No. 830/Mas/89).

839/Mas/93. Medevelop AB. Anchoring element for anchorage in bone tissue.

840/Mas/93. Zanussi Elettrodomestici S.p.A. Improvement in plastic tubs for washing machines.

841/Mas/93. Rieter Ingolstadt Spinnereimaschinenbau Aktiengesellschaft. Thread draw off pipe.

842/Mas/93. Ammonia Casale S.A. and Umberto Zardi. Method of retrofitting a heterogeneous exothermic synthesis reactor.

24th November 1993

843/Mas/93. Gollapudi Durga Kameswara Rao. Atchuta (Indestructible) Kerosine wick.

844/Mas/93. The South India Textile Research Association. A device and a method for producing yarn of improved interface friction and interfibre cohesion and yarn produced thereby

845/Mas/93. BOC Ohmeda AB. Catheter device.

846/Mas/93. Sedepro. Method and apparatus for the continuous mixing of rubber.

847/Mas/93. Thompson Technology Limited Partnership. Power vapor nozzle and splash plate.

848/Mas/93. Pilkington Visioncare Inc. A method of manufacturing a contact lens.

849/Mas/93. Commonwealth Scientific and Industrial Research Organisation. Oxygen scavenging. (November 24, 1992; Australia).

25th November 1993

850/Mas/93. Raychem Corporation. Heat-recoverable composition and article.

851/Mas/93. Maschinenfabrik Rieter AG. Spindle for spinning frame.

26th November 1993

852/Mas/93. Kandanary Mohammed Moosa. Pollution free methanol based fuel/stove and heater.

853/Mas/93. DSM N.V. Catalyst and process for a ziegler polymerisation.

854/Mas/93. F. L. Smidth & Co. A/S. Flexible air supply connection in a grate collar.

855/Mas/93. Warwick International Group Limited. Releasably encapsulated active substrates.

856/Mas/93. Barmag AG. A winding process and winding apparatus for carrying out a process.

30th November 1993

857/Mas/93. Dr. Kota Harinarayana. Interactive triple display training simulator.

858/Mas/93. Chevron Research and Technology Company. Pretreatment method for increasing conversion of reforming catalyst.

1st December 1993

859/Mas/93. Barmag AG. Yarn winding apparatus.

860/Mas/93. ST-Speicher-Technologie GmbH. Heat storage medium.

861/Mas/93. The Boots Company PLC. Process. (December 2, 1992; United Kingdom).

2nd December 1993

862/Mas/93. Institut Francais Du Petrole. Process and device for controlling a flow of particles in a pipe.

863/Mas/93. Brigham Young University. Method and system for synchronizat on of simultaneous displays of related data sources.

864/Mas/93. Hygeia Biomedical Research Inc Apparatus and method for the diagnosis of labor.

865/Mas/93. Sandvik AB. Spiral drill with coolant channels and method to manufacture a spiral drill.

3rd December 1993

866/Mas/93. Ekanampet Shanmugam Mohan. Cylindrical rotary volve with its cylinder head for four stroke internal combustion engines.

867/Mas/93. Sima S.A. Nickel based alloy in the quarterary Ni-Fe-Cr-Mo system hardened by precipitation of the gamma prime phase and withstanding modes of corrosion to be found in particular in the oil industry.

868/Mas/93. DSM N. V. Container made from a polyethylene composition.

869/Mas/93. British Gas plc. and Roger Stanley Allison Bunker. A mole launcher and a method of operating a mole launcher. (December 4, 1993; United Kingdom).

## ALTERATION OF DATE UNDER SECTION-16

172996 Antedated to 24th June, 1988.  
(970/Cal/90)

172997 Antedated to 15th May, 1989.  
(347/Cal/91)

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को एने विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतरराष्ट्रीय वर्गीकरण के अनुरूप हैं।”

स्वीकृत (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की दृष्टि अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सूनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख आगजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CI. 25 A

172991

Int. Cl.<sup>4</sup> E 04 C 1/30

“INTERLOCKING SECTIONS FOR PORTABLE FLOORS AND THE LIKE”.

Applicant : SICO INCORPORATED, OF 7525 CAHILL ROAD, MINNEAPOLIS, MINNESOTA 55435, UNITED STATES OF AMERICA,

Inventors : (1) KERMIT HOUGHINS WILSON. (2) WARRIN SKISTAD.

Application No. 525/Cal/89; filed on 5th July, 1989.

Appropriate office, for opposition Proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

2 claims.

Interlocking sections for portable floors and the like comprising :

first and second lock members configured for fitting together when engaged for locking purposes;

said second lock member having pins mounted therein for motion along defined paths between first and second positions;

means for normally urging said pins to their first positions;

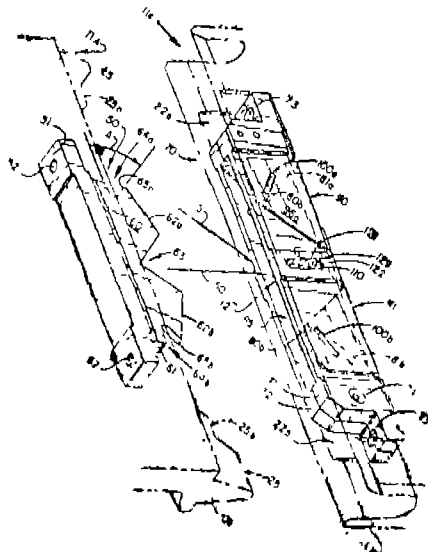
said first lock member having means for moving said pins to their second positions when said first lock member is brought into engagement with said second lock member, said first lock member configured to permit said pins to return to their first positions after engagement of said first and second lock members;

said first lock member having engagement surfaces configured for engaging said pins upon attempted withdrawal of

said first lock member from engagement with said second lock member, the relative shape of said engagement surfaces and the paths of motion of said pins configured to cause substantial interference preventing movement of said pins to their second positions and disengagement of said interlocking sections; and

means selectively operable to move said pins to their second positions to thereby permit disengagement of said sections.

Fig. 1



Compl. Specn. 20 pages.

Draws. 7 sheets.

Cl 63 C.

172992.

Int. Cl. H 01 R 39/04.

#### "PROCESS FOR MANUFACTURING COMMUTATOR"

Applicant : MITSUBA ELECTRIC MANUFACTURING COMPANY, LTD. OF 2681, HIROSAWACHO 1-CHOME, KIRYU, GUNMA, JAPAN.

Inventors : (1) TAKASHI SHIBATA, (2) NOBUO YAMADA, (3) YOSHIKAZU MADA.

Application No. 590/Cv/89; filed on 21st July, 1989.

Appropriate office, for opposition Proceedings (Rule 4, Patent rules 1972) Patent Office, Calcutta.

4 claims.

A process for manufacturing a commutator, of the type as described herein

wherein the boss is molded of an insulating material in the hollow portion of a cylinder of a conducting material while leaving a space at one end portion of said cylinder, and thereafter said cylinder and said boss are cut at their end portions at the side of said space to arrange a plurality of notches circumferentially equi-distantly, thereby to simultaneously form riser members on said cylinder and recesses in said boss, followed by cutting and dividing the trunk of said cylinder to arrange each of a plurality of slits between adjacent two of said riser members thereby to form each of commutator segments,

Compl. specn. 11 pages

Draws. 1 sheet.

Cl 102 B

172993.

Int. Cl. F 15 B, 15/00.

#### "HYDRAULIC DRIVE SYSTEM FOR CONSTRUCTION MACHINES".

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD. OF 6-2, OHTEMACHI-2 CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) TOICHI HIRATA,  
(2) GENROKU SUGIYAMA,  
(3) YUSUKE KAJITA,  
(4) YUKIO AOYAGI,  
(5) TOMOHIKO YASUDA,  
(6) GEN YASUDA,  
(7) HIROSHI WATANABE,  
(8) EIJI IZUMI,  
(9) YASUO TANAKA,  
(10) HIROSHI ONOUE,  
(11) SHIGETAKA NAKAMURA.

Application No. 780/Cal/89; filed on 22nd september, 1989.

Appropriate office, for opposition Proceedings (Rule 4, Patent rules 1972) Patent Office, Calcutta.

15 claims.

A hydraulic drive system for a construction machine such as hydraulic excavators comprising a hydraulic pump (22), at least first and second hydraulic actuators (23-28) driven by a hydraulic fluid supplied from said hydraulic pump, first and second flow control valves (29 - 34) for controlling flows of the hydraulic fluid supplied to said first and second actuators, respectively, first and second distribution compensating valves (35-40) for controlling first differential pressures ( $\Delta P_{v1} - \Delta P_{v0}$ ) produced between inlets and outlets of said first and second flow control valves, respectively, and discharge control means (41) responsive to a second differential pressure ( $\Delta P_{LS}$ ) between a discharge pressure ( $P_s$ ) of said hydraulic pump and a maximum load pressure ( $P_{amax}$ ) out of said first and second actuators for controlling a flow rate of the hydraulic fluid discharged from said hydraulic pump, said first and second distribution compensating valves having respective drive means (45 - 50, 35c - 40c) for applying control forces ( $F_{c1} - F_{c2}$ ) in accordance with said second differential pressure to the associated distribution compensating valves, to thereby set target values of said first differential pressures, comprising :

first means (59) for detecting said second differential pressure  $\Delta (P_{LS})$  from the discharge pressure ( $P_s$ ) of said hydraulic pump (22) and the maximum load pressure ( $P_{amax}$ ) out of said first and second actuators;

second means (61) for calculating individual values ( $F_{c1} - F_{c6}$ ), as values of said control forces applied from the respective drive means (45-50, 35C - 40C), of said first and second distribution compensating valves (35 - 40), in accordance with at least the second differential pressure detected by said first means; and

first and second control pressure generator means (62a - 62f) provided in association with said first and second distribution compensating valves, respectively, said first and second control pressure generator means (62a - 62f) producing control pressures ( $P_{c1} - P_{c6}$ ) dependent on the individual values obtained by said second means and outputting said

control pressures to the respective drive means (35c - 40c) of said first second distribution compensating valves.

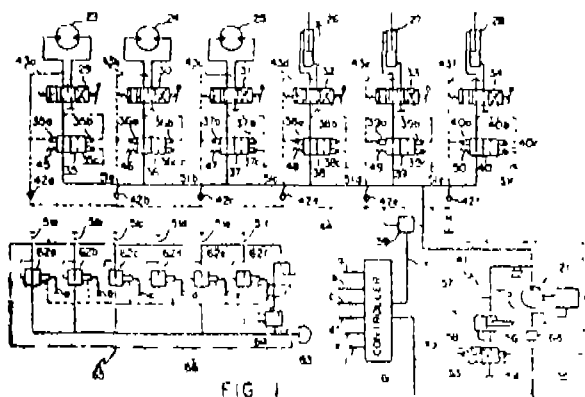
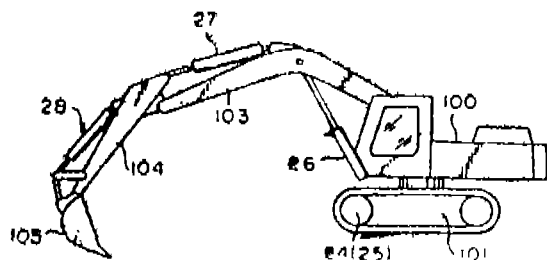


FIG. 1

FIG. 7



Compl. specn. 142 pages.

Drngs. 31 sheets.

Cl. 122

172994.

Int. Cl. B 03 C 3/45.

"A DEDUSTING ELECTROSTATIC PRECIPITATOR FOR A HORIZONTAL FLOW OF GAS".

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

Inventors (1) HERMANN KOY, (2) RAINER REUFURTH, (3) GEORG LELUSCHKO.

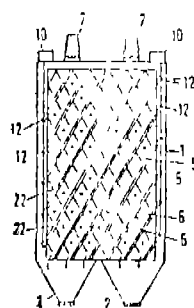
Application No. 266/Cal/90; filed on 30th March, 1990.

Appropriate office, for opposition Proceedings (Rule 4, Patent rules 1972) Patent Office, Calcutta.

8 claims.

A de-dusting electrostatic precipitator for horizontal flow of gas, comprising a housing, a dust-collecting bin, inlet and outlet ports and a plurality of tubular collecting electrodes and of corona electrodes extending centrally in said collecting electrode, as well as the required hangar and carrier elements, characterized in that the entire cross-section which is available for the gas flow is subdivided into flow channels which are diamond-shaped in cross-section and are constituted by collecting electrodes forming the walls of said flow channels, and one of the two lower walls of each flow channel is formed with a dust discharge slot, which extends substantially

throughout the length of the flow channels, the said precipitator including rapping means for removing dust deposited on said collecting electrodes.



Inventors : (1) MORIMASA KURAGANO, Chemist,  
(2) KOZO IWASAKI, chemist  
(3) TAKESHI ISOBE, chemist  
(3) TAKESHI ISOBE, chemist  
(4) ISAO FUKADA, chemist,  
(5) MINORU KOSHIBE, chemist  
(6) YOSHIHIRO SEZAKI, chemist  
(7) HIROZO SEGAWA, chemist  
(8) KATSUJI YOGUCHI, chemist.

Application No. 970/Cal/90; filed on 16th November, 1990.

(Divided out of no. 517/Cal/88; antedated to 24-6-88).

Appropriate office, for opposition Proceedings (Rule 4, Patent rules 1972) Patent Office, Calcutta.

4 claims.

A process for obtaining separately methacrolein and methacrylic acid from quenched hot product gas containing methacrolein and methacrylic acid which has been obtained by known catalytic oxidation of isobutylene, tertiary butanol, methacryleln or isobutyl aldehyde with a molecular oxygen bearing gas such as herein described in the presence of steam which comprises:

(a) passing the said hot reaction product gas mentioned above to a first quench column;

(b) contacting the said hot reaction product gas in counter current manner with a mixture of (i) a portion of a condensate of the said first quench column and (ii) a portion of a condensate from a second quench column composed of at least one quench stage in such a way that the temperature of a bottom of the first quench column ranges from 50°C to 70°C

(c) passing an overhead gas containing methacrolein from the top of the first quench column;

(d) contacting the overhead gas in counter current manner with a condensate which has in advance, been condensed and accumulated in the second quench column so that the temperature of the overhead gas of the second quench column ranges from 10°C to 30°C, to get methacrolein and

(e) stripping the liquid phase containing methacrylic acid to recover methacrylic acid, if desired precipitating the organic compounds contained in the recovered liquid.

Compl. 45 pages.

Drgns. 1 sheet.

Cl. 34 C, 37 E

172997.

Int. Cl. C 08 B 15/00.

"PRODUCT AND PROCESS FOR INCREASING ENZYME ADSORPTION".

Applicant : NABISCO BRANDS, INC. of 200 DeForest Avenue, East Hanover, New Jersey, United States of America.

Inventors : RICHARD L. ANTRIM and DONALD W. HARRIS.

Application No. 347/Cal/91; filed on 6th May, 1991.

(Divided out of No. 373/Ca<sup>1</sup>/89; antedated to 15/5/89).

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent office, Calcutta.

13 claims.

A process for preparing an agglomerate cellulose composite having improved absorbing or binding capacity for charged macromolecules of a granular, hydrophobic polymeric, agglomerated, cellulosic, virginal composite such as herein described having ion exchanged properties comprising treating the composite with an aqueous medium selected from tap water, deionized water and a dilute salt solution at a temperature of at least 60°C for a time of from one half hour to 5 hours for

increasing the absorption or binding capacity of at least about 30% for said macromolecules, the agglomerated cellulose in the composite is derivatized in a manner such as herein described with a derivatizing agent such as herein described to impart ion exchange properties thereto, at least a portion of the derivatized cellulose being free to absorb charged macromolecules.

Compl. specn 28 pages.

Drgms. Nil.

Cl. 55 E 4

172998.

Int. Cl.<sup>4</sup> A 61 K 9/10, 9/16, 9/52.

**"PROCESS FOR MANUFACTURE OF PHARMACOKINETICALLY AND PHARMACO LOGICALLY CONTROLLED FORMULATION"**

Applicant : APLICACIONES FARMACEUTICAS S. A.  
DE C. V. of Heriberto Frias 1035, 03100 Mexico D.F.,  
Mexico.

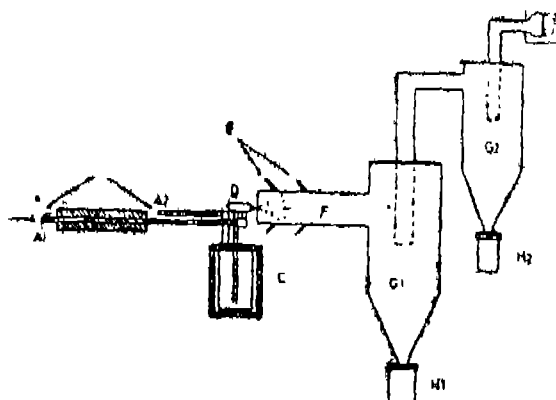
Inventors . (1) GARZA FLORES JOSUE, (2) LAISECA SOTO LAURA P.

Application No. 446/Cal/91; filed on 12th June, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patent rules 1972) Patent Office, Calcutta.

17 claims.

A process for the manufacture of a pharmacokinetically and pharmacologically controlled formulation containing at least an injectable pharmaceutically active substance, such as herein described, intended for parenteral administration by injection, comprising the step of melting said active substance, the step of forming melted microspheres by a technique known per se, the step of freezing said microspheres, thereby obtaining solid non-porous microspheres of a diameter of between about 1 and 300  $\mu$ m, said microspheres consisting essentially of said injectable pharmaceutically active substance, and the step of separating said microspheres, by a technique known per se, into calibrated fractions according to their diameter.



Compl. specn. 23 pages.

Drgns. 13 sheets.

C. 55 E4

172999.

Int. Cl. A 61 X 91/10, 9/52, 9/16.

"PROCESS FOR MANUFACTURE OF FORMULATIONS INTENDED FOR PARENTERAL ADMINISTRATION BY INJECTION".

Applicant : APLICACIONES FARMACEUTICAS, S. A.  
DE C.V. of Heriberto Frias 1035 03100 Mexico D.F. Mexico.

Inventors : (1) GARZA FLORES JOSUE, (2) ANGELES  
URIBE JUAN.

Application No. 447/Cal/91; filed on 12th June, 1991.

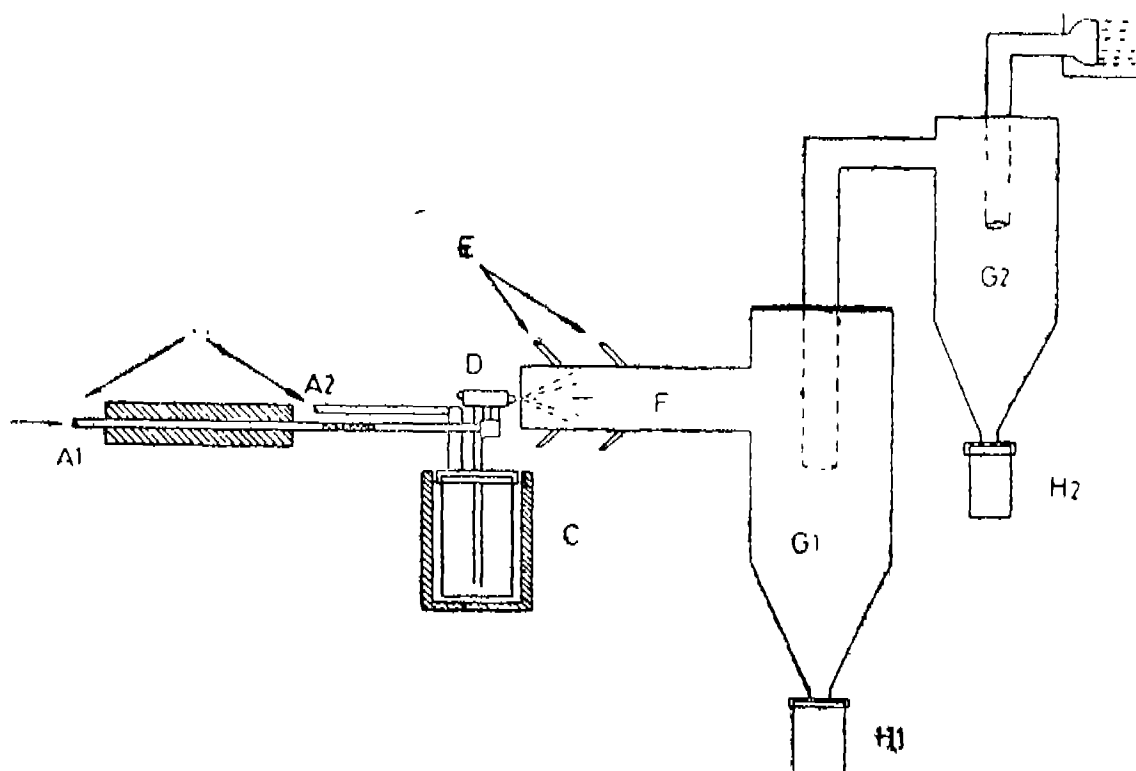
Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent office, Calcutta.

18 claims.

A process for the manufacture of a formulation intended for parenteral administration by injection, comprising

- the step of combining at least one pharmaceutically active substance, such as herein described, with at least one pharmacologically inactive carrier substance, such as herein described, wherein said carrier substance is naturally present in mammalian organisms and is stable at temperatures below 60°C.

- the step of melting said carrier substance,
- the step of forming the melt into microspheres by technique known per se,
- the step of freezing the said microspheres, thereby forming solid non-porous microspheres having a diameter of between 5 and 300  $\mu\text{m}$ , wherein the kinetics of dissolution of said carriers substance in a mammalian organism into which said microspheres have been injected is slower than the kinetics of release of said active substance in said organism, and
- the step of separating said microspheres into calibrated fractions according to their diameters by technique known per se.



Compl. specn. 26 pages.

Drgns. 8 sheets.

Cl. 55 E. 1

173000.

Int. Cl. A 61 K 39/39, 39/40

"PROCESS OF PREPARING A NOVEL VACCINE COMPOSITIONS".

Applicant : NORTH AMERICAN VACCINE, INC of 10900 Hamon Street Montreal, Quebec H3M 3A2, Canada

Inventors : (1)CHRISTOPHER LAWRENCE PENNEY, (2) HAROLD JOHNJENNINGS, (3) FRANCIS MICHON.

Application No. 673/Cal/91; filed on 06th September, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patent rule 1972) Patent office, Calcutta.

25 claims.

Process of preparing a vaccine composition comprising mixing by any known method, a bacterial polysaccharide protein conjugate, such as herein described, with at least one adjuvant of the formula I, as shown in the accompanying drawing to

form a complex, wherein C is selected from the group consisting of hydrogen, an amino acid residue, and a peptide residue;

D is selected from the group consisting of hydrogen and a pharmaceutically acceptable acid;

E is selected from the group consisting of 4-hydroxybenzyl, benzyl, 4-hydroxyphenyl, phenyl, 4-aminobutyl, isopropyl, methyl, hydrogen and a residue of a naturally occurring amino acid;

A is  $(\text{CH}_2)_n$ , oxygen or  $(\text{H}_2\text{O})$  and B is  $(\text{CH}_2)$  or oxygen, wherein n is 0 to 4, with the proviso that A and B are not the same for  $(\text{CH}_2)_n$  and oxygen; and

R is alkyl or 12 to 20 carbon atoms,

the amount of said adjuvant being predetermined to be an amount effective to amplify the immunogenicity of the resulting polysaccharide protein conjugate.

Compl. specn. 35 pages

Drgns. 1 sheet.



Ind. Cl. : 95 C.

173001

Int. Cl. : B23K 37 00.

**A SCREW OPERATED CLAMPING OR PRESSING DEVICE FOR VARIOUS PURPOSES.**

Applicant & Inventor: TAI-HER YANG, OF 5-1 TAIPIN STREET, SE-HU TOWN DZAN-ITWA, TAIWAN, REPUBLIC OF CHINA, A CITIZEN OF THE REPUBLIC OF CHINA.

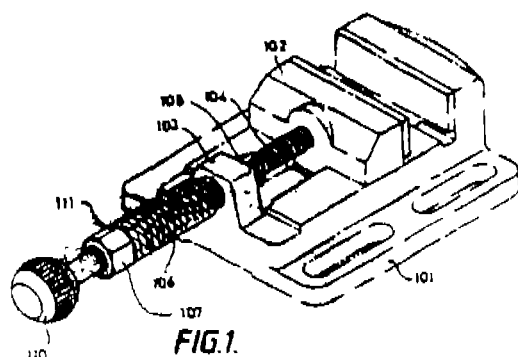
Application for Patent No. 1106 DEL/87, filed on 21 Dec. 1987.

Convention date 01 September 1987/8720518/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

**Claims 4**

A screw operated clamping or pressing device for various purposes comprising a body (101) provided with a fixed jaw and a movable jaw (102) and a movable jaw connected to the body through a screw of a first pitch causing relative motion between the said jaws, characterised in that the screw (104) passes concentrically through a sleeve (111) carrying a thread (108) of a second pitch different from the first pitch, and the screw engages movable jaw of the device and the sleeve engages the shoulder of said body of the device on which the fixed jaw is provided whereby the relative movement of the fixed jaw and the movable jaw of the device is the sum of the movements due to the sleeve and the screw when they are rotated separately.



(Comp. Specn. 12 pages)

Drwg. 4 sheets)

Ind. Cl. : 32 F.

173002

Int. Cl. : A 61 B 19/00.

**A METHOD OF PRODUCING FROM A FIRST DNA MOLECULE, FOUR SERIES OF DNA MOLECULES.**

Applicant: PRESIDENT AND FELLOWS OF HARVARD COLLEGE, CHARITABLE CORPORATION, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 17 QUINCY STREET, CAMBRIDGE, MASSACHUSETTS 02138, UNITED STATES OF AMERICA.

Inventors: STANLEY TABOR & CHARLES CLIFTON RICHARDSON.

Application for Patent No. 1163/DEL/87 filed on 31st Dec. 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

**Claims 8**

A method of producing from a DNA molecule and a primer DNA or RNA molecule (2), four series of DNA molecules, all molecules of each series terminating in a nucleotide base

different from that of each other series, and each series containing molecules which differ in molecular weight from each other, said method comprising:

annealing in a manner such as herein described said DNA molecule with said primer molecule;

incubating the annealed mixture in the presence of a deoxy nucleoside (1) triphosphate, a processive (2) T7-type DNA polymerase having less than 50% of the exonuclease activity of the naturally associated level of exonuclease activity of said polymerase and a DNA synthesis (3) terminating agent of the kind such as herein described which terminates DNA synthesis at a specific nucleotide base; and

separating in a manner known per se the DNA products of the incubating reaction according to their size.

(Comp. Specn. 54 pages)

Drwg. sheets 19)

Ind. Cl. : 204 [XLI (10)]

173003

Int. Cl. : B65 B 3/28.

**A WEIGHING AND BAG FILLING MACHINE.**

Applicant: SHIRISH PANDYA, AN INDIAN NATIONAL, OF S-446, GREATER KAILASH, PART-I, NEW DELHI-110 048, INDIA.

Inventor: SHIRISH PANDYA.

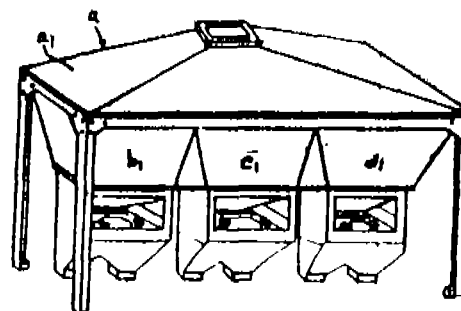
Application for Patent No. 108/DEL/1988 filed on 08 February 1988.

Complete Specification left on 12-7-19988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

**Claims 3**

A weighing and bag filling machine comprising a material holding means such as a bin(9) for storing the material to be weighed and filled into bags, feed means consisting of a tapered housing hopper(1) with a slidable plate(2) at the lower end thereof provided below the said holding means (9) to feed the material into feed control means(3), said feed control means(3) provided between the feed means and weighing means to control the supply of material to the weighing means at a desired rate, and filling means (12&13) provided for filling a bag, characterised in that said weighing means consist of a pivoted flat frame (10) movable between first and second positions, an adjustable weight(11) provided at one end of the frame(10), a first and second buckets (6&7) secured at opposite sides of said frame (10) in a manner such that at the said first position, the first bucket (6) when filled with desired weight of material and discharge the material to said bag filling means(13) by movement of the frame(10) from the first position to the second position and thereby allowing the second bucket filling.



(Provisional Specification 4 pages).

(Comp. Specn. 16 pages)

Drwg 4 sheets)

Ind. Cl.: 88 D

173004

Claims 15

Int. Cl.: C10L 3/00, 5/44.

**A SYSTEM FOR GENERATING PRODUCER GAS FROM THE BIOMASS.**

Applicant: ANIL KUMAR RAJVANSHI, AN INDIAN NATIONAL OF E-54, NIRMAL PURI, LAJPAT NAGAR IV, NEW DELHI-110 024 AND NIMBKAR AGRICULTURAL RESEARCH INSTITUTE OF PHALTAN, DIST. SATARA, P.I. NO. 415523, MAHARASHTRA, INDIA, AN INDIAN INSTITUTE REGISTERED UNDER THE SOCIETIES ACT, 1860.

Inventor: ANIL KUMAR RAJVANSHI.

Application for Patent No. 206/DEL/88 filed on 16 March 1988.

Complete Specification left on 18 May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

**Claims 8**

A system for generating producer gas from biomass comprising a reactor or gasifier consisting a cylindrical vessel having a co-axial chamber disposed therein for burning the biomass as herein described and having means for removing ashes and char therefrom, means for scrubbing and cooling the producer gas being connected to the outlet of said gasifier, means consisting of filters being connected to each other and provided for filtering the cooled and scrubbed gas, the last filter being the oil filter being connected to the means provided for supplying the filtered gas to a diesel engine with air or to a gas flare through a blower.

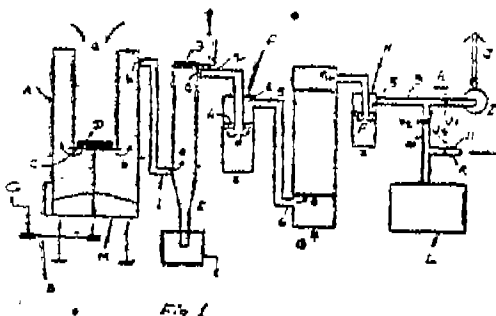


Fig 1

(Provisional Specification 4 pages).

(Comp. Specn. 10 pages)

Drwg. 1 sheet)

Ind. Cl.: 55 F.

173005

Int. Cl.: A 61 J 3/00 &amp; 3/10.

**PROCESS FOR THE PREPARATION OF FUSED MEDICINAL IMPLANTS.**

Applicant: ENDOCON, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF MASSACHUSETTS U.S.A., OF 195 STATE STREET, BOSTON, MASSACHUSETTS 02199, UNITED STATES OF AMERICA.

Inventor: ROBERT JOSEPH LEONARD.

Application for Patent No. 277/DEL/88 filed on 06 Apr 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

A process for the preparation of a fused medicinal implant essentially but not exclusively in the form of a pellet which comprises:

mixing a pelleting material comprising an active pharmaceutical ingredient such as herein described or a mixture of an active pharmaceutical ingredient such as herein described and a carrier therefor with an organic solvent such as herein described to form a paste applying said paste to a surface as a thin layer, subjecting said layer to heat in order to melt said material uniformly whereby phase transition of all the pelleting material occurs approximately simultaneously and in not more than 10 seconds; motivating said material by mechanical force immediately after it is melted from the source of heat;

collecting the melted material; and

allowing said melted material to cool to provide the desired implant.

(Comp. Specn. 45 pages)

Drwg. sheets 6)

Ind. Cl.: 32 C

173006

Int. Cl.: C07 D 498/10.

**A PROCESS FOR THE PREPARATION OF COMPOUNDS USEFUL FOR THE TREATMENT OF DISEASES EFFECTING MACROPHAGES.**

Applicants: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: AMITABHA MUKHOPADHYAY, GAUTAM CHAUDHURI, SUNIL KUMAR ARORA, SHOBHA SEHGAL AND SANDIP KUMAR BASU.

Application for Patent No. 368/DEL/88 filed on 28 Apr 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005.

**Claims 10**

A process for the preparation of a compound useful for the treatment of diseases effecting macrophages which comprises:

(a) anionising, by known methods the macromolecules such as serum albumin, globulin by treating the macromolecules with an organic acid anhydride,

(b) coupling the anionised macromolecules with a pharmaceutically active compound containing the functional groups of primary amino and/or carboxylic acid or containing a group which is capable of derivitisation with the above said functional group selected from methotextrate, daunomycin, rifamycin, primaquine and the like.

(Comp. Specn. 20 pages;

Drwg. sheets 11)

Ind. Cl.: 32F, & 32F**b**.

173007

Int. Cl.: C07D 215/26.

**"PROCESS FOR PREPARING A 2 QUINOXALINOL COMPOUNDS".**

Applicant: UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEAD-QUARTERS, MIDDLEBURY, CONNECTICUT 06749 (USA).

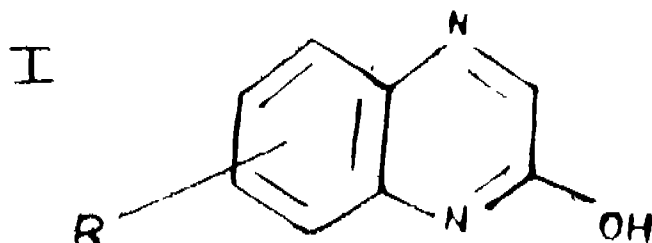
Inventors: RUSSELL EDWARD MALZ, JOHN WINTHROP SARGENT, JOSEPH ALBERT FEICCABRINO.

Application for Patent No. 448/DEL/88 filed on 20th May, 1988.

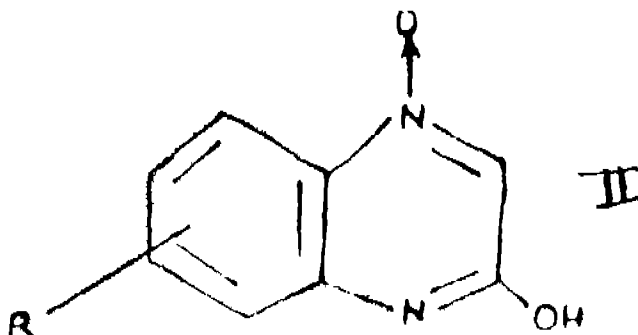
Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972), Patent office Branch, New Delhi-110005.

10 Claims

A process for preparing a 2-quinoxalinol compound of the Formula I as shown in the accompanying drawing



wherein R is hydrogen, halogen or trihalomethyl, said process comprising reducing a 2-quinoxalinol-4-oxide compound of the formula II as shown in the accompanying drawing



with hydrogen in the presence of at least one catalyst selected from the group consisting of sulfided platinum, sulfided palladium sulfided rhodium and sulfided ruthenium wherein R is as defined above.

(Complete specn 13 pages)

Drawing one sheet)

Ind. Cl. 39G (III) & 70B (LVIII (5))

173008

Int. Cl.: C01D 3/12.

AN IMPROVED ELECTROLYTIC CELL FOR THE PRODUCTION OF POTASSIUM IODATE.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: SIVAPRAKASAM BALAGOPALAN, KRISHNAMORTHY JAYARAMAN, SUNDARAM KRISHNA-MOORTHY KARUPPIAH EMBARAM AND SANKARANARAYANAN CHIDAMBARAM.

Application for Patent No. 476/DI 1 88 filed on 30 May 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972). Patent Office Branch, New Delhi-110 005.

Claims 2

An improved electrolytic cell for the production of potassium iodate which comprises a cylindrical stainless steel externally insulated tank cathode (I), the said tank cathode (I) having an inlet and an outlet (IV, III) for the circulation of electrolyte, the said tank cathode (I) being provided with a cylindrical graphite GSD (Lead dioxide coated graphite)

anode concentrically placed inside it the anode (ii) and tank cathode being provided with suitable electrical connections (v, vi) for passing current through the cell, there being a gap (VII) of 1.5 to 3.00 mm between the anode and cathode for circulation of electrolyte between the inlet and outlet.

(Comp. Specn. 8 pages.

Diwg. 1 sheet)

Ind. Cl.: 140 A KI (2).

173009

Int. Cl.: C10M 103/04.

A PROCESS FOR TREATING A SUBSTRATE TO PRODUCE AN OVERBASED SUBSTRATE FOR USE IN LUBRICANTS AND RUST PREVENTIVE COMPOSITIONS.

Applicant: THE LUBRIZOL CORPORATION, OF 29450 LAKLAND BOULEVARD WICKLIFFE, OHIO 44092 UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO.

Inventor(s): WILLIS PERRY NICHOLS, JACK LEE KARN.

Application for Patent No. 574/Del/88 filed on 6 Jul. 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

16 Claims

A process for treating a substrate such as herein described to produce an overbased substrate for use in lubricants and rust preventive compositions comprising:

mixing a phenol and a source of magnesium at a temperature in the range of 110°C to 170°C to form a first mixture;

combining said first mixture with a solvent of the kind as herein described, said substrate and water to form a second mixture and mixing said second mixture until each of its ingredients are dispersed with one another;

cooling said second mixture to a temperature below 90°C and contacting said second mixture with a carbonating agent of the kind as herein described to effect a reaction between said carbonating agent and components of said second mixture to form said overbased substrate, said reaction being conducted until at least about 70% by weight of the total carbonating agent reacts relevant to the amount of carbonating agent that would react if the reaction were permitted to proceed to its endpoint provided that water is retained throughout the overbasing reaction and that the weight ratio of the water to the magnesium is in a 10 : 1 to 1 : 5 weight ratio.

(Compl Specn 32 pages)

Ind. Cl.: 55E.

173010

Int. Cl.: A61K 31/705.

A METHOD FOR MANUFACTURING OF A PHARMACEUTICAL PREPARATION FROM THE SILIKEN STYLE OF ZEA MAIZE LINN USEFUL IN THE TREATMENT OF RENAL & URINARY CALCULI OF HUMAN BEINGS.

Applicant and Inventors: DINESH KUMAR GARG 169-MUKHTOOLPURI, ROORKEE-247667, DISTRICT HARDWAR, UTTAR PRADESH, INDIA, INDIAN NATIONALITY AND RAJENDRA NATH GOYAL, 5/36, MEDIA KOTRA, AGRA-282002, DISTRICT AGRA, UTTAR PRADESH, INDIA, INDIAN NATIONALITY.

Application for Patent No. 489/Del/89 filed on 5 Jun 1989.

Complete Specification filed on 1st August 1990.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

### 3 Claims

A process for the manufacture of a pharmaceutical preparation from the silken styles of *zea mize linn*, useful in the treatment of urinary, renal and consist of the steps :

(a) Grinding of washed, dried silken style of *Zea Maize Linn* with water to make semi-solid paste,

(b) Extracting the semisolid product of step 'a' with extra amount of water for 6-8 hrs. and then reducing the volume using soxlet to 2 litres at reduced pressure and temperature of 60°C,

(c) Filtering & Cooling the concentrating extra obtained from step 'b' and to room temperature and pouring in a glaseware and freeze drying to get yellowish brown posdery substance.

(Provisional Specn. 4 pages.)

(Compl. Specn. 10 pages)

Drg sheet 1)

Ind. Cl. : 76 H Gr. [LXIV(4)]

173011

Int. Cl. : G09 F-3/03.

### AN IMPROVED PLASTIC SEAL WITH BUILT-IN METALLIC WIRE.

Applicants & Inventors : 1. KAPILRAY LABHSHANKAR JOSHI, 2. RAJIV LABHSHANKAR JOSHI, OF 12 ISHWARKRUPA SOCIETY, NEAR JAY PRAKASH SOCIETY, NIZAMPURA, BARODA-390002, GUJARAT, INDIA.

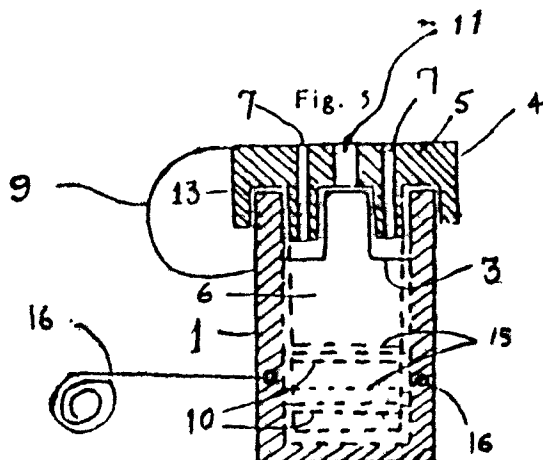
Application No. 167 Bom/90 filed on 22-06-90.

Complete after provisional left on 18-9-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

### 5 Claims

An improved plastic seal with built-in metallic sealing wire comprising a hollow body open at the top and preferably closed at the bottom two or more projections projecting inwardly being provided inside the said hollow body, at least one blind hole being provided in the top perimeter of the said hollow body, an insert being integrally connected through a cord to the said hollow body, the said insert consisting of a cap at the top having a skirt and hollow downwardly projecting member from its middle portion, the said downwardly projecting member being provided with two or more non-compressible projections projecting outwardly, a thinner weaken wall portion being provided vertically at the free end of the said downwardly projecting member, at least one nipple being provided in the gap in between the said skirt and the said downwardly projecting member, at least one hole being provided near the said nipple, a metallic sealing wire built-in/embedded in the four side walls of the said hollow body keeping its at least one end projecting with sufficient length.



(Prov. Specn. 4 pages.)

(Comp. Specn. 10 pages)

Drg. Nil

Drg. 1 sheet)

Ind. Cl. : 55E: [XIX(1)]

173012

32 F-(b) [IX(1)]

Int. Cl. : A 61 K 35/78, CO 7 D 311/00.

### A PROCESS FOR THE PREPARATION OF NOVEL PHARMACOLOGICALLY ACTIVE 6/7 ALKYL OXY ACYLOXY-7/6 AMINOACYLOXYPOLYOXYGENATED LABOANE DERIVATIVES.

Applicants : HOECHST INDIA LTD., HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATION BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : 1. DR. YATENDRA KHANDELWAL, 2. MRS. RAJESHWARI KANNAN, 3. DR. BANSI LAL, 4. DR. RAMANUJAM RAJAGOPALAN, 5. MR. VIJAY ATMARAM AROSHKAR, 6. DR. ALI AUSSEIN NOMAN BHAI DOHADWALLA & 9. DR. RICHARD HELMUT RUPP.

Application No. 348/Bom/1989 filed on Dec. 20, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

Comp. after provisional left Mar. 19, 1991.

### 2 claims

A process for the preparation of novel pharmacologically active 6/7-alkyloxy acyloxy-7/6-aminoacyloxy-polyoxy-genated labdane derivatives of the formula I shown in the drawings accompanying the provisional specification, wherein R denotes vinyl, ethyl, cyclopropyl or CHOHCHOH, R<sub>1</sub> denotes hydrogen or a group of the formula shown in Fig. 1 of the drawings accompanying the provisional specification, in which A denotes OR<sub>2</sub>, in which R<sub>2</sub> represents an alkyl group, or a group of the formula shown in Fig. 2 of the drawings accompanying the provisional specification, in which x and y represent, if they are identical, hydrogen or alkyl, or, if X represents hydrogen or lower alkyl, Y represents an alkyl, substituted alkyl, cycloalkyl aralkyl, aryl, amino or hydroxyl group, or X and Y, together with the nitrogen atom to which they are bonded, forming a heterocyclic ring which can contain a further hetero atom and can be substituted by an alkyl or aryl group, or R<sub>1</sub> may be represented by a group of the formula R<sub>3</sub>R<sub>4</sub>R<sub>5</sub>Si, in which each of R<sub>3</sub>, R<sub>4</sub> and R<sub>5</sub> independently denoting an alkyl group, R<sub>6</sub> or R<sub>7</sub> denotes of the formula shown in Fig. 3 or 4 of the drawings accompanying the provisional specification, in which m is 0 to 10 and n is 1 to 10, and R<sub>8</sub> and R<sub>9</sub> are identical or different and represent hydrogen or a lower alkyl group, or one of them represents hydrogen and the other represents a hydroxyl thio or aryl group, R<sub>10</sub> denotes hydrogen and R<sub>11</sub> denotes, hydrogen or a hydroxyl or alkyl group, and X<sub>1</sub> represents hydrogen if Y<sub>1</sub> represents hydrogen, alkyl, substituted alkyl, alkanoyl, aryl, cycloalkyl, aralkyl, a heterocycle, amino, substituted amino, hydroxyl, acyl, dialkyl aminoalkyl, carbamoyl, carboxyalkyl or carbalkoxyalkyl, or X and Y<sub>1</sub> represent, if they are identical, alkyl, substituted alkyl, aryl or aralkyl, or, if X<sub>1</sub> represents alkyl, Y represents substituted alkyl, cycloalkyl, aralkyl or a dialkylaminoalkyl group, or X<sub>1</sub> and Y<sub>1</sub> form together with the nitrogen atom to which they are bonded, a heterocycle which can contain one or more hetero atoms and be optionally substituted once or several times by alkyl, aryl, aralkyl, hydroxyalkyl, hydroxyl or other heterocyclic groups, and B denotes a substituted alkyl group such as alkoxy alkyl, aryloxyalkyl, aralkyl, or thioalkyl with the proviso that R<sub>6</sub> and R<sub>7</sub> are not simultaneously the group shown in Fig. 3 or 4 of the drawings accompanying the provisional specification and their optical and geometric

isomers and pharmaceutically acceptable acid addition salts, which comprises reacting a compound of the formula, II shown in the drawings accompanying the provisional specification, in which  $R_1$  denotes t-butyldimethylsilyl protective group for a hydroxyl group and  $R_1, R_8-R_{11}, X_1, Y_1$  and  $m$  and  $n$  have the above meanings with a mixture of an acid of the formula  $R_2 \cdot ZCH_2 \cdot COOH$ , wherein  $R_{12}$  is alkyl, aryl or heterocycl and  $Z$  is 0, dicyclohexylcarbodiimide (DCC) and 4-methylamino-pyridine in an organic solvent such as herein described at 20-70°C to obtain a compound of the formula III shown in the drawings accompanying the provisional specification in which  $R_3$  is as defined above,  $R_4$  represents the group shown in Fig. 4 of the drawings accompanying the provisional specification in which  $B$  denotes substituted alkyl and  $R_4, R_8-R_{11}, m, n, X_1$  and  $Y_1$  have the above mentioned meanings and reacting the compound of the formula III with a reagent such as herein described at 0.30°C to obtain the compound of the formula I and desired converting the compound of the formula I into its acid addition salt in known manner.

Comp. Specn. 24 pages,  
Prov. Specn. 21 pages

Drgs. Nil  
Drgs. 4 sheet

Ind. Cl.: 140 B.

173013

Int. Cl.: C 10 M-175/00 & 11-00.

#### A PROCESS FOR RECLAMATION OF SPENT LUBRICATING OILS.

Applicants: PENWALT INDIA LTD., 507 KAKAD CHAMBERS, 132 DR. ANNIE BESANT ROAD, BOMBAY-400 018, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors: 1. PERCY NARIMAN PASTAKIA, 2. SANDIP RAJNIKANT NABAR.

Patent application with provisional specification No. 707/Bom/1990 filed on 23-03-1990.

Complete after provisional specification left on 20-06-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

#### 3 Claims

A process for reclamation of spent lubricating oil which comprises subjecting the spent lubricating oil to a step of high intensity ultrasonic irradiation in the range of 15 KHz to 40 KHz., followed by recovery of the clear oil by centrifugation in a sedimentation centrifuge.

Prov. Specn. 7 pages,  
Comp. Specn. 10 pages.

Drgs. Nil  
Drgs. Nil

Ind. Cl.: 198 B Fr. [XXXIV(5)]  
164 A-C [II(3)]  
132 A2 B2 CD [XXXIV(3)]  
163 DE [XLIV(3)]

173014

Int. Cl.: B03D-1/00  
F04F-9/00 and B05B-7/00.

#### AN APPARATUS FOR FEEDING AIR INTO FLotation CELL.

Applicants: OUTOKUMPU OY, A FINNISH JOINT-STOCK COMPANY, OF LANSITULENTIE 7A, 02100 ESPOO, FINLAND.

Inventors: 1. MATTI OLAVI LEIPONEN, 2. LAUNO LEO LILJA and 3. VALTO JOHANNES MAKITALO.

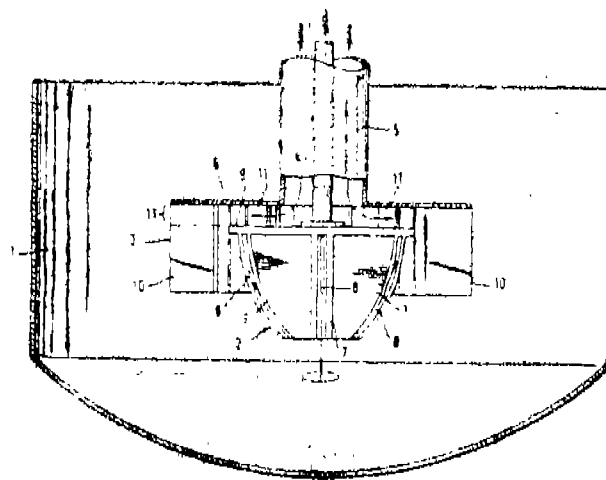
Application No. 351/Bom/90 filed on 27-10-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

#### 13 Claims

An apparatus for feeding air into a flotation cell comprising a stator having a cover; a rotor having a cover, said rotor suspended from a shaft, said shaft extending through the said stator cover such that the rotor and rotor cover are located within the stator and

in a spaced apart relationship with the stator such that in the operative vertical configuration the said stator is positioned slightly higher than the rotor; and air supply equipment consisting of at least one air supply pipe the lower end of which is fitted to the said stator cover and is in communication with an air distribution duct formed in between the said stator cover and said rotor cover.



Comp. Specn. 12 pages.

Drgs. 4 sheets

Ind. Cl.: 170 A—B [XLIII(u)]

173015

Int. Cl.: C11D 3/3 95.

#### BLEACHING COMPOUNDS COMPOSITIONS.

Applicants: HINDUSTAN LEVER LTD., 165-166, BACK-BAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Application No. 71/Bom/1991, filed Mar. 4, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

#### 26 Claims

A bleaching composition comprising:

(i) from about 0.5 to about 10% of an oxygen transfer agent having structure of formula (A) of the accompanying drawing. Wherein:

$R^1$  may be a substituted or unsubstituted radical selected from the group consisting of hydrogen, phenyl, aryl, heterocyclic ring, alkyl and cycloalkyl radicals;  $R^2$  may be a substituted or unsubstituted radical selected from the group consisting of hydrogen, phenyl, aryl, heterocyclic ring, alkyl, cycloalkyl, a structure of formula (B) nitro, halo, cyano, alkoxy, keto, carboxylic and carboalkoxy radicals;

$R^3$  may be a substituted or unsubstituted radical selected from the group consisting of phenyl, aryl, heterocyclic ring, alkyl, cycloalkyl, nitro, halo and cyano radicals;  $R^1$  with  $R^2$  and  $R^3$  with  $R^3$  may respectively together form a cycloalkyl, heterocyclic, and aromatic ring system; and (ii) from about 0.5 to 50% of a surfactant.

Comp. Specn. 38 pages

Drg. 1 sheet

Ind. Cl : 60 I, K.

173016

3 Claims

Int. Cl : B01D, 35/22.

**SELF-CLEANING FILTER.**

Applicants : FILTRATION LTD., 9, GALGALEI HAP-LADAH STREET, INDUSTRIAL ZONE, HERZLIA, ISRAEL AND YITZHAK BARZUZA, 47, BRENNER, STREET, PETACH TEKVAH, ISRAEL.

Application No. 168/Bom/91 filed on Jun, 6, 1991.

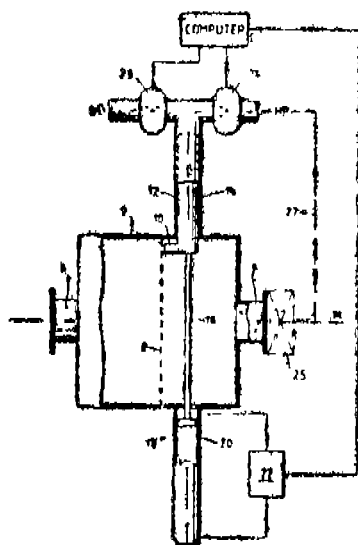
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

**21 Claims**

A self-cleaning filter comprising:

a filter housing having at least a raw-liquid inlet and a clean-liquid outlet; a filter medium interposed between said raw-liquid inlet and said clean-liquid outlet; at least one nozzle located in proximity to said filter medium and connectable to at least two different sources of pressure, one of which pressures is higher than the pressure prevailing in said filter, the other one being lower than the pressure prevailing in said filter, and

mechanism to produce a relative movement between said filter medium and said at least one nozzle to the effect of having a substantial part of the surface area of said filter medium covered by said nozzle.

**Fig. 1**

Comp. Specn 24 pages,

Drsgs 6 sheets

Ind. Cl. : 99H GR [XL(4)] &amp; 179 E, F &amp; G GR[XL(6)]

173017

Int. Cl : B 65 D-35/28, 35/52.

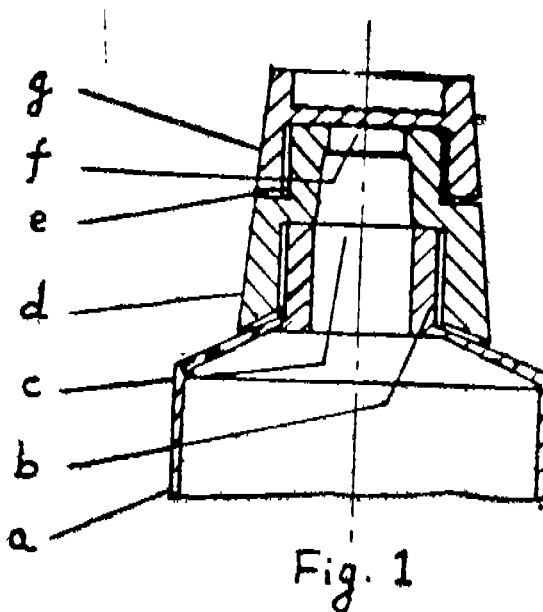
**DISPENSING ATTACHMENT WITH CHOICE OF CROSS-SECTIONAL PROFILE FOR COLLAPSIBLE TUBES.**

Applicant & Inventor : ASHOK DATTATARYA DATAR, B-7 PARAMSUKH SAHNIWAS, GAWAND PATH, THANE-400 602, MAHARASHTRA, INDIA. AN INDIAN NATIONAL.

Application No. 186/Bom/91 filed on 25-06-91

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

A dispensing attachment with choice of cross sectional profile for collapsible tubes comprising a hollow stepped tubular member having one wide end provided with internal threads matching with the external threads on the collapsible tube and a narrow end provided with external threads matching with internal threads in the cap, the said narrow end provided with an inwardly projecting collar and the said collar being provided with a central constricted opening of desired shape and size.



Comp. Specn 7 pages

Drsg 1 sheet

Ind. Cl. : 63 G, I

173018

Int. Cl : 402 K 7/18.

**A PEDAL OPERATED DC POWER GENERATING DEVICE.**

Applicants : CROMPTON GREAVES LTD., 1 DR V B GANDHI MARG, BOMBAY-400 023, MAHARASHTRA, INDIA

Inventors : (1) DR. HALNAD VASANTHA KUMAR SHETTY & (2) NAGARAJ RAVI.

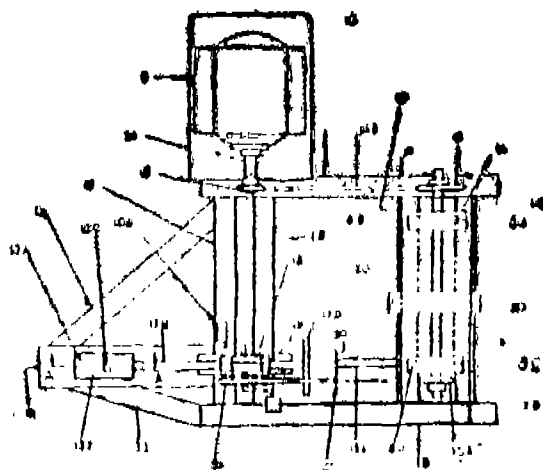
Application No. 191/Bom/1991 filed on Jun. 28, 1991

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**10 Claims**

1. A pedal operated dc power generating device consisting of a structural frame, a permanent magnet generator of salient pole construction with a rating of 250-400 watts output mounted on said frame, a pedal operated two stage drive system mounted on said frame and connected to the shaft of said generator, said two stage drive system including a torque smoother in the first stage thereof, a full wave rectifier bridge the input terminals whereof are connected to the output terminals of said generator and switch means, measuring means and a display unit connected to the output terminals of said rectifier bridge, said rectifier bridge, switch means,

measuring means and displaying unit being housed in a module which in turn is mounted on said drive system.



Compl. Specn. 19 pages

Drgs. 4 sheets.

Ind. Cl.: 36 B1

173019

Int. Cl.: F 04 D-29/00.

**AN IMPROVED CANOPY OR SHACKLE FOR CEILING FANS.**

Applicant and Inventor: FREDRICK MICHAEL D'SOUZA, INDIAN NATIONAL AT FREDRICK MANOR, DONA PAULA, GOA-403 004, INDIA.

Application No. 256/Bom/1991 filed on 05th September, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

An improved canopy or shackle for ceiling fans comprising of a hollow body, having neck portion and the valley of the known contours of the canopy, a collet with the central board having atleast one longitudinal slit, provided integrally inside the said neck portion of the hollow body and a movable fin provided between the said collet and the inner surface of the said neck portion of the said hollow body.

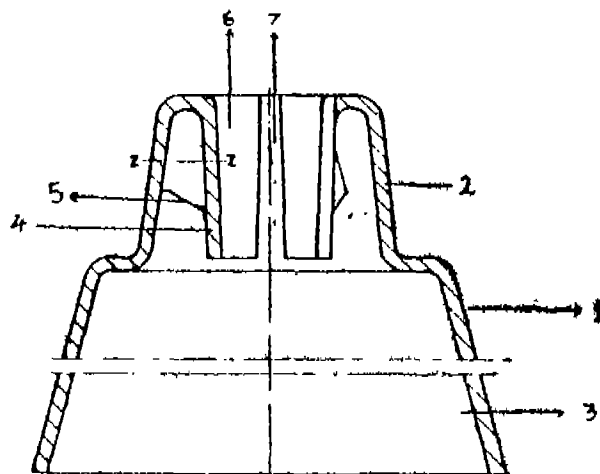


Fig. 2

Comp. Specn. 6 pages

Drgs. 2 sheet.

Ind. Cl.: 95 G [XLIII (2)]

173020

Int. Cl.: B 25 D-1/00, B 25 G-3/02.

**HORIZONTALLY SPLITTABLE UNIVERSAL PIPE SOCKET T-COUPLING FOR DIFFERENT SIZED/WEIGHTED SOFT FACED HAMMER/MALLET HEADS AND HANDLE THEREFOR.**

Applicants: MOHSIN ISMAILBHAI MANSURI 'AMAN' PARASBAUG SOCIETY, KOTHARAB, BEHIND TAGORE HALL, ELLIS BRIDGE, AHMEDABAD-380 006, GUJARAT, INDIA.

Application No. 342/Bom/1991 filed on Nov. 15, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

14 Claims

Horizontally splittable universal pipe socket T-coupling for different sized/weighted soft faced hammer/mallet heads and handle therefor comprising a pair of half round flanged sockets-separated by solid mass of metal carrying a vertically extending tapped hole in its center and a third downwardly extending integrally formed socket forming a seat for detachably fixing thereto a handle part having a tapped hole in its top center for fixing thereto a machine bolt passed through said vertically extending tapped hole formed in said two jaw sections wherein said two sockets in said coupled jaw sections form a seat for detachably fixing and dead locking therewithin respective different sized and weighted soft faced hammer/mallet formed from raw hide/nylon/polypropylene/polyethylene or like plastic resins/ hard rubber/malleable metals such as copper, lead, aluminium and the like and said handle being detachably fixed and dead locked within said third socket in said bottom jaw section by said machine bolt threadably fixed to said central tapped hole thereby providing vice-like grip therefor.

Compl. Specn. 22 pages

Drgs. 3 sheets

#### CLAIM UNDER SECTION 20(1)

The application for Patent No. 169/Cal/83 notified in the name of RHONE-POULENC CHIMIE DE BASE has been accepted under Serial No. 172353 in the name of the claimant RHONE-POULENC CHIMIE under Section 20(1) of the Patents Act, 1970.

#### CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

Claim made by STRACHON HENSHAW MACHINERY LTD., of Speedwell, Bristol B.55 7UZ United Kingdom, under section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 345/Mas/87 in their name has been allowed (169606).

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras, and Delhi at two rupees per copy:—

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## PATENT SEALED ON 24-12-1993

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CAL--14, MAS--23, DEL--02, BOM--08.

\*Patent shall be deemed to be endorsed with the words  
 LICENCE OF RIGHT Under Section 87 of the Patents Act,  
 1970 from the date of expiration of three years from the  
 date of Sealing.

D—DRUG PATENT, F—FOOD PATENT.

## RENEWAL FEES PAID

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## OPPOSITION PROCEEDINGS UNDER SEC. 25

An Opposition is entered by M/s. The Dharamsi Morarji  
 Chemical Co. Ltd., Bombay to grant of Patent on Patent  
 Application No. 169430 (S/BOM-1990) made by M/s.  
 Larsen & Toubro Ltd., Bombay notified in the Gazette of  
 India, Part III, Section 2, dated 25th April 1992 succeeded  
 and the grant of a Patent thereon refused.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not  
 open to inspection for a period of two years from the date  
 of registration except as provided for in Section 50 of the  
 Designs Act, 1911.

The date shown in the entries is the date of registration  
 in the entry.

Class 3. Nos. 165340 & 165341. Caltex Oil (Australia) Pty.  
 Ltd., Australian Co., ACN 000007 876, Caltex  
 House, 167, Kent Street, Sydney, New South  
 Wales 2000, Australia "Container". August 14,  
 1992.

Class 3. No. 165424. Flair Writing Instrument, Indian Part-  
 nership Firm of 30-1, Devan Industrial Estate,  
 B. Patel Road, Goregaon East, Bombay-400063  
 Maharashtra, India. "Ball Point Pen" March 11,  
 1993.

Class 3. No. 165434. Oyna Engineering Works of 1-8 19  
 Minister Road, Ramgopalpet, Secunderabad-  
 500003, A.P., India "Refrigerator Stand". March  
 17, 1993.

Class 3. Nos. 165485 & 165486. Polar Fan Industries Ltd.,  
 Podar Point, 113, Park Street, 8th floor, Calcutta-  
 700016, W.B., India, Indian Company. "Disc for  
 ceiling fan motor body". March 30, 1993.

Class 3. No. 165591. Henri Cohen of Lite 2000 B.V., P.O.  
 Box 3700, 7500 DS Enschede, Holland "A trans-  
 parent element with fluorescence". April 28, 1993.

Class 3. No. 165520. Alpine Marketing Pvt. Ltd. of D-25,  
 Commerce Centre, Tardeo Road, Bombay-400034,  
 Maharashtra, India "Brush". April 13, 1993.

R. A. ACHARYA

Controller General of Patents  
 Designs and Trade Marks